

## SHOPPING BAG

### Technical Field

The present invention relates to a shopping bag which may be fixed to a cart which is capable of carrying the items bought in a certain shop wherein a  
5 large size discount mart or supermarket provides various low price items, so that a customer buys a large amount of items at one time and carries the same to a counter using a cart which is provided by a mart or supermarket.

### BACKGROUND ART

10 A customer who finished shopping using a cart pays at a counter and inputs the shopped items into a disposable vinyl bag or a customer's own shopping bag or a customer inputs the items into a cart and moves to a customer's vehicle. Thereafter, the customer transfers the items to his vehicle for thereby causing many inconveniences.

15 Therefore, in order to overcome the above problems, in a conventional art, a plurality of snappers 4 are attached to a cart 1 for thereby fixing the shopping bag or the shopping bag is suspended to the cart using a certain band

However, in the case that a plurality of snappers are attached to the cart in order to fix the shopping bag to the cart, it is needed to separate the  
20 snappers when the shopping is finished. In addition, in the case that the shopping band is fixed using a certain band, the band is tied or untied from the

cart.

In addition, a certain number of coins must be inputted into a cart for using the same at a large size discount mart. When returning the cart, the inputted coin is got back. In the case that a customer does not have coins, the  
5 customer must change a paper money into coins.

### **DISCLOSURE OF INVENTION**

Accordingly, it is an object of the present invention to overcome the above problems encountered in the conventional art.

10 It is another object of the present invention to provide a shopping bag which is capable of implementing a convenient carry of items by overcoming the problems that a customer inconveniently inputs the items into a disposable vinyl bag or his own shopping bag in the case that a customer buys and pays the items selected and moves the items to a certain place.

15 It is further another object of the present invention to provide a shopping bag which is capable of preventing a problem that a customer must change a paper money into coins for using the cart by providing a coin storing member which is adapted to store the coins used for using the cart.

To achieve the above objects, in a shopping bag which is detachably  
20 fixed to a cart adapted to carry a certain item in a shop, there is provided a chopping bag which comprises a handle frame which includes more than at least two fixing frames provided at each one side of both handle frames of a

shopping bag for fixing the shopping bag to the cart, a coin storing port adapted to store coins for using the cart, and a handle; and a Velcro tape attached to an upper side of the shopping bag for selectively closing and opening an entrance of the shopping bag; and an outer pocket adapted to store the items bought.

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#### **BRIEF DESCRIPTION OF THE DRAWINGS**

The present invention will become better understood with reference to the accompanying drawings which are given only by way of illustration and thus are not limitative of the present invention, wherein;

10       Figure 1 is a view illustrating a state that a conventional shopping bag is fixed to a cart;

Figure 2 is a view illustrating a state that a shopping bag is fixed to a cart according to the present invention;

15       Figure 3 is a perspective view illustrating a shopping bag according to the present invention;

Figure 4 is a perspective view illustrating a handle frame of a shopping bag according to the present invention; and

Figure 5 is a perspective view when a shopping bag is folded according to the present invention.

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#### **BEST MODE FOR CARRYING OUT THE INVENTION**

The preferred embodiments of the present invention will be described

with reference to the accompanying drawings.

Figure 2 is a view illustrating a state that a shopping bag is fixed to a cart according to the present invention, Figure 3 is a perspective view illustrating a shopping bag according to the present invention, Figure 4 is a 5 perspective view illustrating a handle frame of a shopping bag according to the present invention, and Figure 5 is a perspective view when a shopping is folded according to the present invention.

First, in the case that a customer uses a cart prepared in a large size discount mall or a supermarket, a coil is inputted into a coin inlet port in a cart 10 for using one cart 1 from a plurality of the carts 1. At this time, a coil stored in a coin storing pocket 15 provided in a handle frame 11 of a shopping bag 10 is picked up and then is inputted into a coin inlet port 1 for thereby unlocking the cart. When a customer does not have a coil, it is possible to use the cart by using the coins stored in the coin storing pocket 15 for thereby overcoming a 15 money changing inconvenience. In addition, when the shopping is finished, the cart 1 is returned back to the mall, and the coin is ejected from the cart 1 and is stored in the coin storing pocket 15 of the shopping bag 10. The thusly stored coins are used next time.

After the cart is unlocked, at least two fixing frames 13 which are 20 detachably attached to the hand frame 11 of both sides of the shopping are suspended on the upper sides of the cart 1 for fixing the shopping bag 10 to the

cart according to the present invention. As shown in Figure 2, the handle frame 11 of the shopping bag 10 is suspended on the upper sides of the cart 1, and then the shopping bag 10 is attached. In this state, the items are inputted into the shopping bag 10 fixed to the cart 10. When the cart 1 to which the shopping bag 10 is fixed is moved to another place in the mall or is moved to another floor using an escalator. A synthetic rubber member 21 is attached in the interior of the fixing frame 13 in order to prevent the fixing frame 13 suspended on the upper portion of the cart 1 from being moved, so that it is possible to prevent the movement of the shopping bag 10 for thereby implementing a convenient shopping.

After the shopping and counting are finished, the handle 12 of the handle frame 11 of the shopping bag 10 is vertically lifted up for thereby easily separating the shopping bag 10 from the cart 1, and the shopping bag 10 is carried. Therefore, it is possible to overcome the problem that each item should be transferred into a customer's vehicle one by one. In addition, it is possible to prevent the problem that the items should be inputted from the cart 1 into a disposable vinyl bag or a shopping bag one by one.

At least one Velcro 14 is attached to the center of the upper side of the shopping bag for preventing the items from being escaped from the shopping bag during the transfer of the items for thereby opening and the closing the entrance of the shopping bag. In addition, when it is needed to more stably

close the entrance of the shopping bag, for example when the shopping bag is moved with the vehicle or the vehicle is jolted, the engaging protrusion 16 formed in one side of the handle frame 11 is inserted into the engaging groove 17 provided in the other side of the same for thereby preventing the items from 5 being escaped from the shopping bag 10.

In addition, a bottom layer of the outer pocket 20 in which the items are stored may be formed of a solid material for thereby storing more items. More preferably, a plurality of sub-pockets 22 may be formed in the interior of the outer pocket 20 for storing different items or possessions. In the case that the 10 amount of the items is large, one or two strings 23 may be attached to the shopping bag 10, so that a user can suspend the shopping bag on his shoulder and can easily carry the shopping bag.

In addition, an elastic rubber band may be provided in an entrance marginal portion 19 of the shopping bag, so that the shopping bag is elastically 15 supported by the elastic characteristic of the elastic rubber band when the amount of the items is large. Therefore, when the amount of the items is large, the elastic rubber band is extended. When the amount of the same is small, the elastic rubber band is contracted, so that the contents of the shopping bag does not look. More preferably, a certain elastic rubber member may be used in the 20 entrance marginal portion 19 of the shopping bag instead of the rubber band.

Finishing shopping and arriving at a destination, the user takes out the

items. When storing the shopping bag, the volume of the shopping may be decreased as shown in Figure 5. The shopping bag is folded in a rectangular shape and is fixed using the Velcro tape 24 provided in a lower portion of the outer pocket of the shopping bag, so that it is possible to implement an easier  
5 carry and storage.

### **INDUSTRIAL APPLICABILITY**

As described above, the shopping bag according to the present invention is detachably fixed to the cart using the fixing frame of the shopping  
10 bag wherein the cart is provided for easily carrying the items bought in a large discount mall or a large size supermarket. In addition, it is possible to prevent the items from being escaped from the shopping bag by selectively closing the entrance of the shopping bag. Therefore, the user can easily transfer the shopping bag to a destination after the user finishes counting. In the case that  
15 the user does not have a coin which is inserted into the cart for renting the cart, it is possible to store the coins in a coin storing port of the shopping bag, so that it is possible to implement an easier shopping by overcoming the inconvenience of coin changes.

As the present invention may be embodied in several forms without  
20 departing from the spirit or essential characteristics thereof, it should also be understood that the above-described examples are not limited by any of the details of the foregoing description, unless otherwise specified, but rather

should be construed broadly within its spirit and scope as defined in the appended claims, and therefore all changes and modifications that fall within the meets and bounds of the claims, or equivalences of such meets and bounds are therefore intended to be embraced by the appended claims.

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